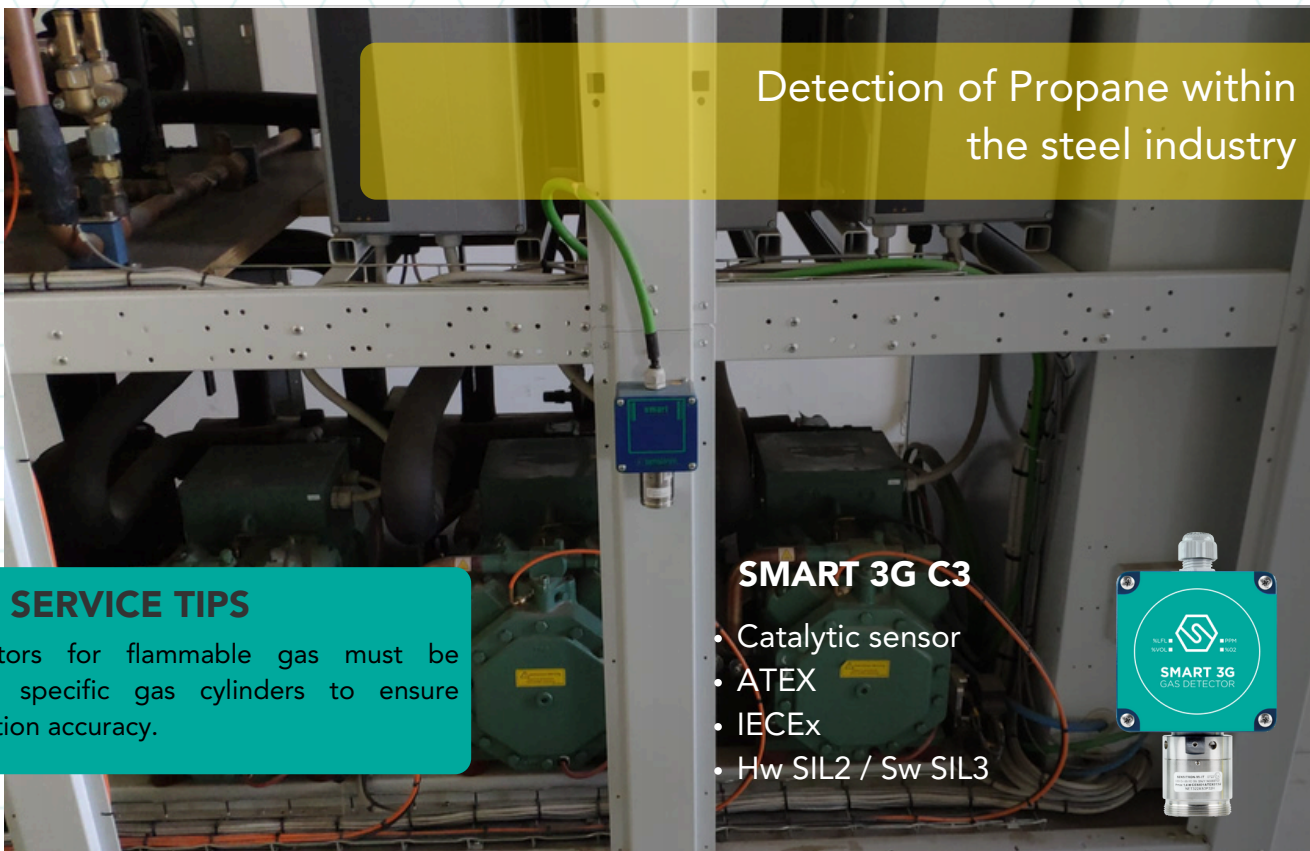


# SENSITRON

## APPLICATION

Propane ( $C_3H_8$ ) is a colourless, highly flammable gas belonging to the hydrocarbon family. Derived from oil refining and natural gas processing, it is commonly used as a fuel in industrial, commercial and domestic applications. It has applications in heating, power generation and industrial processes that require clean and efficient combustion.



Detection of Propane within the steel industry

### SERVICE TIPS

Propane detectors for flammable gas must be calibrated with specific gas cylinders to ensure maximum detection accuracy.

### SMART 3G C3

- Catalytic sensor
- ATEX
- IECEx
- Hw SIL2 / Sw SIL3



## SOLUTION

The detection of propane can be done via catalytic or infrared sensors, chosen according to the environment and monitoring requirements. Catalytic sensors detect the gas through an oxidation process, ensuring high reliability in industrial environments. Infrared sensors, on the other hand, exploit the absorption of infrared radiation by the propane and are an ideal solution for environments with low oxygen concentrations, offering longer service life and less need for maintenance. Both technologies ensure accurate and continuous monitoring, helping to prevent the risk of explosions in storage facilities, refineries and chemical industries.

